UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MLRA REGION 11
Indianapolis, Indiana 46278

SEVENTH AMENDMENT TO THE FEBRUARY 1984 CLASSIFICATION AND CORRELATION OF THE SOILS OF MONTGOMERY COUNTY, INDIANA

MARCH 2005

This amendment results from digitizing the Montgomery County Soil Survey, the update of the NASIS database, and conforming to the Keys to Soil Taxonomy, 9th Edition, 2003.

AMENDMENT NO. 7

Page 8 - Addition
-Map Unit Symbol and Name: W - Water

Add the map unit symbol name "W - Water" for water areas less than 40 acres in size and water areas more than 40 acres in size.

Page 12 – Replace the 37A dated 12/2/82, with the attached Indiana Official 37A for Compilation, Digitizing, and DMF, Revised June 30, 2004.

Only the following standard soil survey features will be shown on the legend and placed on the digitized soil maps:

Feature	Name	Description
ESO	Escarpment, nonbedrock	A relatively continuous and steep slope or cliff, which generally is produced by erosion but can be produced by faulting, that breaks the continuity of more gently sloping land surfaces. Exposed earthy material is nonsoil or very shallow soil.
GPI	Gravel pit	An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel. Typically 0.2 to 2 acres.
GRA	Gravelly spot	A spot where the surface layer has more than 35 percent, by volume, rock fragments that are mostly less than 3 inches in diameter in an area with less than 15 percent fragments. Typically 0.2 to 2 acres.
MAR	Marsh or swamp	A water saturated, very poorly drained area, intermittently or permanently covered by water. Sedges, cattails, and rushes dominate marsh areas. Trees or shrubs dominate swamps. Typically 0.2 to 2 acres.

Feature	Name	Description
ROC	Rock outcrop	An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock or where "Rock outcrop" is a named component of the map unit. Typically 0.2 to 2 acres.
SAN	Sandy spot	A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer. Typically 0.2 to 2 acres.
ERO	Severely eroded spot	An area where on the average 75 percent or more of the original surface layer has been lost because of accelerated erosion. Not used in map units that are named severely eroded, very severely eroded, or gullied. Typically 0.2 to 2 acres.
SLP	Short, steep slope	Narrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.

Only the following ad hoc features will be shown on the legend and placed on the digitized soil maps:

Label	Symbol ID	Name	Description
OVW	3	Overwash spot	Areas with overwash 10 to 40 inches thick over the original surface. Typically 0.2 to 2 acres.
MUC	30	Muck spot	An area within a poorly drained or very poorly drained soil that has a histic epipedon or where the surface is organic. The spot symbol is used only in map units consisting of mineral soil. Typically 0.2 to 2 acres.
UWT	44	Unclassified water	Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the year. Typically 0.2 to 2 acres.

Page 18, Conversion Legend, add the following symbols:

Field Symbol	Publication Symbol
W	W
W4	W

Indiana Official 37A For
Compilation, Digitizing, and DMF
Revised June 30, 2004

Soil Survey Area: MONTGOMERY

State: Indiana

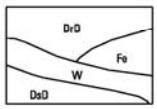
FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

Date: SEPTEMBER 2004

SOIL SURVEY FEATURES

SOIL DELINEATIONS AND LABELS



STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES

- Bedrock escarpment
- Nonbedrock escarpment
- Gully
- Levee
- Short steep slope
- Blowout
- Borrow pit
- Clay spot
- Closed depression
- Gravel pit
- Gravelly spot
- Landfill
- Marsh or swamp
- Mine or quarry
- Rock outcrop
- Sandy spot
- Severely eroded spot
- Sinkhole
- Slide or slip
- Spoil area
- Stony spot
- Very stony spot
- Wet spot

AD HOC FEATURES (Describe on back)

LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL
DCS	1		CRO	23	
DKS	2		MIA	24	
OVW	3		CGM	25	
VWS	4		HIL	26	
EAS	5			27	
MAS	6		SID	28	
SAS	7			29	
CAF	8		MUC	30	
CAL	9			31	
SLR	10			32	
DUM	11			33	
BRV	12			34	
BRM	13		MRL	35	
BRD	14			36	
OBR	15			37	
SSR	16		SAM	38	
LBR	17			39	
WDP	18		VSE	40	
SBR	19			41	
COB	20			42	
CNS	21			43	
FES	22		UNT	44	

CULTURAL FEATURES (Optional)

BOUNDARIES

- National, state or province
- County or parish
- Minor civil division
- Reservation (Military)
- Land grant (Optional)
- Field sheet matchline and neatline
- Public Land Survey System Section Corner Tics

GEOGRAPHIC COORDINATE TICK

ROAD EMBLEMS

- Interstate
- Federal
- State

LOCATED OBJECTS

- Airport (Label only) — Davis Airport or Airstrip

HYDROGRAPHIC FEATURES (Optional)

- Drainage end (indicates direction of flow)
- Unclassified stream

Pages 25-27 – Replace the Classification of the Soils table with the following:

Montgomery County, Indiana Soil Classification table amended per Keys to Soil Taxonomy, 9th Edition.

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
Alford	Fine-silty, mixed, superactive, mesic Ultic Hapludalfs
Beckville	Coarse-loamy, mixed, superactive, mesic Fluvaquentic Eutrudepts
Belleville	Sandy over loamy, mixed, active, mesic Typic Endoaquolls
Birkbeck	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Bowes Variant	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs
*Boyer	Coarse-loamy, mixed, superactive, mesic Typic Hapludalfs
Brenton	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Brenton Variant	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
*Camden	Fine-silty, mixed, superactive, mesic Ultic Hapludalfs
Casco	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Inceptic Hapludalfs
Ceresco	Coarse-loamy, mixed, superactive, mesic Fluvaquentic Hapludolls
Chagrin	Fine-loamy, mixed, active, mesic Dystric Fluventic Eutrudepts
Cohoctah	Coarse-loamy, mixed, active, mesic Fluvaquentic Endoaquolls
Crosby	Fine, mixed, active, mesic Aeric Epiaqualfs
Cyclone	Fine-silty, mixed, superactive, mesic Typic Argiaquolls
Drummer	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Fincastle	Fine-silty, mixed, superactive, mesic Aeric Epiaqualfs
Hennepin	Fine-loamy, mixed, active, mesic Typic Eutrudepts
Jasper	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
Landes Variant	Sandy, mixed, mesic Fluventic Hapludolls
Lobdell	Fine-loamy, mixed, active, mesic Fluvaquentic Eutrudepts
Mahalasville	Fine-silty, mixed, superactive, mesic Typic Argiaquolls
Martinsville	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Miami	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
*Miami	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Milford	Fine, mixed, superactive, mesic Typic Endoaquolls
Milford Variant	Clayey over fine-silty, mixed, superactive, mesic Typic Endoaquolls
*Millbrook	Fine, mixed, superactive, mesic Udollic Endoaqualfs
Millbrook Variant	Fine-silty, mixed, superactive, mesic Udollic Endoaqualfs
Muskego	Coprogenous, euic, mesic Limnic Haplosaprists
Ockley	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Octagon	Fine-loamy, mixed, active, mesic Mollic Oxyaquic Hapludalfs
Ormas	Loamy, mixed, active, mesic Arenic Hapludalfs
Palms	Loamy, mixed, euic, mesic Terric Haplosaprists
Parr	Fine-loamy, mixed, active, mesic Oxyaquic Argiudolls
Pella	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Proctor	Fine-silty, mixed, superactive, mesic Typic Argiudolls
*Ragsdale	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Raub	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Reesville	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
*Reesville	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Rodman	Sandy-skeletal, mixed, mesic Typic Hapludolls
Rush	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Rush Variant	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Russell	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Saranac	Fine, mixed, mesic active, Fluvaquentic Endoaquolls
Shadeland	Fine-loamy, mixed, active, mesic Aeric Endoaqualfs

Montgomery County, Indiana Soil Classification table - continued

Soil name	Family or higher taxonomic class
Shoals	Fine-loamy, mixed, superactive, nonacid, mesic Fluventic Endoaquepts
St. Charles	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Starks	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Stonelick	Coarse-loamy, mixed, superactive, calcareous, mesic Typic Udifluvents
Stonelick Variant	Sandy, mixed, calcareous, mesic Mollic Udifluvents
*Toronto	Fine, mixed, superactive, mesic Udollic Epiaqualfs
Treaty	Fine-silty, mixed, superactive, mesic Typic Argiaquolls
Udorthents	Loamy, mixed, mesic Typic Udorthents
*Wallkill	Fine-silty, mixed, superactive, nonacid, mesic Fluvaquentic Humaquepts
*Washtenaw	Fine-silty, mixed, active, nonacid, mesic Aeric Fluvaquents
Waupecan	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Waynetown	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Wea	Fine-loamy, mixed, active, mesic Typic Argiudolls
*Weikert	Loamy-skeletal, mixed, active, mesic Lithic Eutrudepts
Whitaker	Fine-loamy, mixed, active, mesic Aeric Endoaqualfs
Xenia	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs

The *Miami taxadjunct is for map unit MoE2 only.
The *Reesville taxadjunct is for map unit RlA.

Approval Signatures

_____	_____	_____	_____
TRAVIS NEELY	Date	JANE E. HARDISTY	Date
State Soil Scientist/MLRA Leader		State Conservationist	